

# Bay Area Air Quality Management District

939 Ellis Street  
San Francisco, CA 94109  
(415) 771-6000

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**Final**

## MAJOR FACILITY REVIEW PERMIT

**Issued To:**

**Johns Manville International, Inc**  
**Facility #A0119**

**Facility Address:**

East 3rd & Harbor Street  
Pittsburg, CA 94565

**Mailing Address:**

P.O. Box 591  
Pittsburg, CA 94565

**Responsible Official**

Brian Olson, Plant Manager  
925-427-2401

**Facility Contact**

Larry Roberts, Environmental Manager  
925-427-2428

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**Type of Facility:** Roofing Materials Manufacturing

**Primary SIC:** 2952

**Product:** Asphalt Based Roofing Material

**BAAQMD Permit Division Contact:**

Hari S. Doss

**ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Signed by Ellen Garvey \_\_\_\_\_  
Ellen Garvey, Executive Officer/Air Pollution Control Officer

November 30, 2001 \_\_\_\_\_  
Date

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## I. STANDARD CONDITIONS

### A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

BAAQMD Regulation 1 - General Provisions and Definitions

(as amended by the District Board on 5/2/01);

SIP Regulation 1 - General Provisions and Definitions

(as approved by EPA through 8/27/99);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements

(as amended by the District Board on 8/1/01);

SIP Regulation 2, Rule 1 - Permits, General Requirements

(as approved by EPA through 2/25/99);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review

(as amended by the District Board on 5/17/00);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration

(as approved by EPA through 2/25/99);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking

(as amended by the District Board on 5/17/00);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking

(as approved by EPA through 2/25/99); and

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review

(as amended by the District Board on 5/2/01).

### B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

1. This Major Facility Review Permit was issued on November 30, 2001, and expires on October 31, 2006. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than April 30, 2006 and no earlier than October 31, 2005. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after October 31, 2006.** (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)

## **I. Standard Conditions**

4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a Basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (MOP Volume II, Part 3, §4.11)

## **C. Requirement to Pay Fees**

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

## **D. Inspection and Entry**

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment which is subject to this permit to the APCO and/or to his or her designee.

## **I. Standard Conditions**

(Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

### **E. Records**

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

### **F. Monitoring Reports**

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be November 30, 2001, to April 30, 2002. The report shall be submitted by May 31, 2002. Subsequent reports shall be for the following periods: May 1st through October 31st and November 1st through April 30th, and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

Director of Compliance and Enforcement  
Bay Area Air Quality Management District  
939 Ellis Street  
San Francisco, CA 94109  
Attn: Title V Reports

(Regulation 2-6-502, Regulation 3; MOP Volume II, Part 3, §4.7)

### **G. Compliance Certification**

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be November 1st to October 31st. The certification shall be submitted by November 30th of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification should be sent to the Environmental Protection

## **I. Standard Conditions**

Agency at the following address:

Director of the Air Division  
USEPA, Region IX  
75 Hawthorne Street  
San Francisco, CA 94105  
Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

## **H. Emergency Provisions**

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)
3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

## **I. Severability**

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

## **J. Miscellaneous Conditions**

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

## II. EQUIPMENT

**Table II A Permitted Sources**

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S-#	Description	Make or Type	Model	Capacity
S-14	Coating surge tank (mixer)			25 tons/hr max
S-20	Blending tank	Asphalt blending		100,000 gallon
S-31	Roofing backing sand applicator			6.23 tons/hr max
S-39	Filler machine bin	Storage		25 tons/hr
S-40	Filler storage silo	Storage		25 tons/hr
S-45	Steam boiler, process steam generation, gas fired unit	Commercial / Institutional Boiler		14.645 MMBtu/hr max
S-46	Bulk storage system (filler)	Storage		20 tons/hr max
S-47	Bulk storage system (filler)	Storage		20 tons/hr max
S-54	Line #5 asphalt coater			6.0 tons/hr max
S-56	Line #1 coater roofing machine			25 tons/hr max
S-70	Asphalt blowing tower	Custom		28 tons/hr max
S-74	Tank 400	Storage		8,600,000 gallon/year
S-75	Asphalt coating tank			50,000 gallon
S-79	Asphalt loading rack			26 tons/hr max
S-81	Horizontal asphalt mixer			25 tons per hour max
S-90	Wipe cleaning operation			1500 gallons per year net max solvent usage
S-91	Asphalt cooling tank			20,000 gallon
S-92	Asphalt cooling tank			20,000 gallon
S-93	Asphalt cooling tank			20,000 gallon
S-95	Asphalt storage tank	Storage		50,000 gallon
S-96	Granule storage tank A	Storage		445 tons
S-97	Granule storage tank B	Storage		445 tons
S-98	Granule storage tank C	Storage		445 tons
S-99	Granule storage tank D	Storage		445 tons
S-100	Granule storage tank E	Storage		445 tons

## II. Equipment

**Table II-B - Abatement Devices**

A-#	Description	Source(s) Controlle d	Applicable Requiremen t	Operating Parameters	Limit or Efficiency
A-1	HEAF #1, Dry Filter	S-14, S-54, S-56, S-74, S-75, S-79, S-81, S-95	BAAQMD 6-301 6-310 6-311		0.15 grains/dscf, Ringelmann 1
A-2	HEAF #2, Dry Filter	S-14, S-54, S-56, S-74, S-75, S-79, S-81, S-95	6-301 6-310 6-311		0.15 grains/dscf, Ringelmann 1
A-4	Baghouse, pulse jet for sand applicator	S-31, S-96, S-97, S-98, S-99, S-100	6-301 6-310 6-311		0.15 grains/dscf, Ringelmann 1
A-6	Baghouse, shaking, for filler bin	S-39	6-301 6-310 6-311		0.15 grains/dscf, Ringelmann 1
A-7	Baghouse, shaking, filler silo	S-40	6-301 6-310 6-311		0.15 grains/dscf, Ringelmann 1
A-8	Baghouse, pulse jet, Halliburton dustbin vent	S-46, S-47	6-301 6-310 6-311		0.15 grains/dscf, Ringelmann 1
A-10	#1 Ceko dry filter	S-20, S-91, S-92, S-93	6-301 6-310 6-311		0.15 grains/dscf, Ringelmann 1
A-70	Thermal oxidizer (Natural Gas)	S-70	6-301 6-310 6-311	Temperature > 1202 °F	0.15 grains/dscf, Ringelmann 1



## II. Equipment

**Table II-B - Abatement Devices**

A-#	Description	Source(s) Controlle d	Applicable Requiremen t	Operating Parameters	Limit or Efficiency
A-70	Thermal oxidizer (Natural Gas)	S-70	BAAQMD 12-3-301	Temperature > 1202 °F	Temperature > 1202°F for not less than 0.3 seconds
A-70	Thermal oxidizer (Natural Gas)	S-70	40 CFR 60.472 (b)(1)	Temperature > 1202 °F	Particulate emissions shall not exceed 0.67 kg/per megagram
A-78	Venturi scrubber with secondary mist separator	S-80	6-301 6-310 6-311		0.15 grains/dscf, Ringelmann 1

### III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements will not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit.

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of SIP requirements is included in Appendix A of this permit if the SIP requirement is different from the current BAAQMD requirement.

**NOTE:**

There are differences between the current BAAQMD rule and the version of the rule in the SIP. All sources must comply with both versions of the rule until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

**Table III**  
**Generally Applicable Requirements**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (8/27/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (8/1/01)	N
BAAQMD 2-1-429	Federal Emissions Statement (6/7/95)	Y
SIP Regulation 2, Rule 1	General Requirements (8/27/99)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (11/2/94)	Y

### III. Generally Applicable Requirements

**Table III**  
**Generally Applicable Requirements**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (12/20/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (12/20/95)	N
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (12/4/91)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	Y

#### IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is included in Appendix A of this permit if the SIP requirements are different from the current BAAQMD requirements. All other text may be found in the regulations themselves.

**Table IV-A**  
**Source-specific Applicable Requirements**  
**S-14 Coating Surge Tank**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emission (12/19/90)</b>		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Condition # 17447</b>			
Part 1	Particulate matter emissions shall be controlled by dry filters. (6-301, 6-305, 6-310, 6-311)	Y	
Part 6	Check dry filters for visible emissions quarterly (6-301)	Y	
Part 7	Keep records of visible emission checks and retain for 5 years and present it to District personnel upon request. (2-6-501)	Y	

## IV. Source Specific Applicable Requirements

**Table IV-A**  
**Source-specific Applicable Requirements**  
**S-14 Coating Surge Tank**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
Part 8a	Throughput limit and record keeping specification (Cumulative Increase)	Y	

**Table IV-B**  
**Source-specific Applicable Requirements**  
**S-20 100,000 Gallon Asphalt Blending Tank**  
**S-91, S-92, S-93, Asphalt Cooling Tanks**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 1</b>	<b>Permits, General</b>		
1-301	Public Nuisance	N	
<b>BAAQMD Regulation 2</b>	<b>Permits</b>		
2-2-301.1	Best Available Control Technology Requirement	Y	
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>	Y	
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Regulation 7</b>	<b>Odorous Substances</b>		
7-301	General Limit on Odorous Substances	N	
7-302	Limit on Odorous Substances at or Beyond Property Line	N	
7-303	Limit on Odorous Compounds	N	

## IV. Source Specific Applicable Requirements

**Table IV-B**  
**Source-specific Applicable Requirements**  
**S-20 100,000 Gallon Asphalt Blending Tank**  
**S-91, S-92, S-93, Asphalt Cooling Tanks**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>NSPS Subpart UU Sections:</b>	Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture. Applicable to Sources constructed or Modified after 8/6/82	Y	
60.472(c)	Standards for Particulate Matter	Y	
60.473	Monitoring of Operations	Y	
60.474	Test Methods and Procedures	Y	
<b>BAAQMD Condition # 17454</b>			
Part 1	Combined asphalt throughput not to exceed 275,000 tons per year (Cumulative Increase)	Y	
Part 2	Emissions shall always be abated by A-10, fiber-bed filter (BACT, 6-301, 6-305, 6-310, 6-311)	Y	
Part 3	Only asphalt and exempt materials allowed by Reg.2, Rule 1, Section 123.3 shall be stored in the tanks (2-1-123.3)	Y	
Part 4	Maintain records to demonstrate compliance with part 1 (Cumulative Increase)	Y	
Part 5	Visible particulate emissions from A-10 shall not exceed 0.5 Ringelmann (BACT)	Y	
Part 6	Shall not cause odor problem outside property line (1-301, 7-302)	N	
Part 7	Particulate emissions shall be controlled by a dry filter during loading (6-301, 6-305, 6-310, 6-311)	Y	
Part 8	Visible emissions check to be conducted quarterly (6-301)	Y	
Part 9	Maintain records of visible emission checks, maintenance performed on the dry filter (2-6-501)	Y	
Part 10	Parts 7, 8, and 9 apply only when the Sources are in operation (2-1-403)	Y	

## IV. Source Specific Applicable Requirements

**Table IV-C**  
**Source-specific Applicable Requirements**  
**S-31 Roofing Backing Sand Applicator**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emission (12/19/90)</b>		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Condition # 17447</b>			
Part 2	Particulate matter emissions shall be controlled by baghouse (6-301, 6-305, 6-310, 6-311)	Y	
Part 6	Check baghouse for visible emissions quarterly (6-301)	Y	
Part 7	Keep records of visible emission checks and retain for 5 years and present it to District personnel upon request. (2-6-501)	Y	
Part 8b	Throughput limit and record keeping specification (Cumulative Increase)	Y	

**Table IV-D**  
**Source-specific Applicable Requirements**  
**S-39 Filler Machine Bin**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emission (12/19/90)</b>		
6-301	Ringelmann Number 1 Limitation	Y	

## IV. Source Specific Applicable Requirements

**Table IV-D**  
**Source-specific Applicable Requirements**  
**S-39 Filler Machine Bin**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Condition # 17447</b>			
Part 3	Particulate matter emissions shall be controlled by baghouse (6-301, 6-305, 6-310, 6-311)	Y	
Part 6	Check baghouse for visible emissions quarterly (6-301)	Y	
Part 7	Keep records of visible emission checks and retain for 5 years and present it to District personnel upon request. (2-6-501)	Y	
Part 8c	Throughput limit and record keeping specification (Cumulative Increase)	Y	

**Table IV-E**  
**Source-specific Applicable Requirements**  
**S-40 Filler Storage Silo**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emission (12/19/90)</b>		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	



## IV. Source Specific Applicable Requirements

**Table IV-E**  
**Source-specific Applicable Requirements**  
**S-40 Filler Storage Silo**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Condition # 17447</b>			
Part 4	Particulate matter emissions shall be controlled by baghouse (6-301, 6-305, 6-310, 6-311)	Y	
Part 6	Check baghouse for visible emissions quarterly (6-301)	Y	
Part 7	Keep records of visible emission checks and retain for 5 years and present it to District personnel upon request. (2-6-501)	Y	
Part 8d	Throughput limit and record keeping specification (Cumulative Increase)	Y	

**Table IV-F**  
**Source-specific Applicable Requirements**  
**S-45 Boiler #4**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emission (12/19/90)</b>		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Sulfur Dioxide</b>		
9-1-301	Limitations on Ground Level Concentrations	Y	

## IV. Source Specific Applicable Requirements

**Table IV-F**  
**Source-specific Applicable Requirements**  
**S-45 Boiler #4**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
9-1-302	General Emission Limitations for sulfur dioxide	Y	
<b>BAAQMD Regulation 9 Rule 7</b>	<b>Inorganic Gaseous Pollutants</b>		
9-7-301	Emission Limits-Gaseous Fuel	Y	
9-7-301.1	NOx limit	Y	
9-7-301.2	CO Limitation	Y	
9-7-503	Records	Y	
9-7-503.4	Source Test Records	Y	
<b>BAAQMD condition # 17672</b>			
Part 1	Natural Gas throughput condition (Cumulative Increase)	Y	
Part 2	Record keeping (Cumulative Increase)	Y	

**Table IV-G**  
**Source-specific Applicable Requirements**  
**S-46, S-47 Bulk Storage Systems**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emission (12/19/90)</b>		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	

## IV. Source Specific Applicable Requirements

**Table IV-G**  
**Source-specific Applicable Requirements**  
**S-46, S-47 Bulk Storage Systems**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Condition # 17447</b>			
Part 5	Particulate matter emissions shall be controlled by baghouse (6-301, 6-305, 6-310, 6-311)	Y	
Part 6	Check baghouse for visible emissions quarterly (6-301)	Y	
Part 7	Keep records of visible emission checks and retain for 5 years and present it to District personnel upon request. (2-6-501)	Y	
Part 8e and f	Throughput limit and record keeping specification (Cumulative Increase)	Y	

**Table IV-H**  
**Source-specific Applicable Requirements**  
**S-54 Asphalt Coater**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emission (12/19/90)</b>		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

## IV. Source Specific Applicable Requirements

**Table IV-H**  
**Source-specific Applicable Requirements**  
**S-54 Asphalt Coater**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Condition # 17447</b>			
Part 1	Particulate matter emissions shall be controlled by dry filters. (6-301, 6-305, 6-310, 6-311)	Y	
Part 6	Check dry filters for visible emissions quarterly (6-301)	Y	
Part 7	Keep records of visible emission checks and retain for 5 years and present it to District personnel upon request. (2-6-501)	Y	
Part 8g	Throughput limit and record keeping specification (Cumulative Increase)	Y	

**Table IV-I**  
**Source-specific Applicable Requirements**  
**S-56 Coater #1 Roofing Machine**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emission (12/19/90)</b>		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Condition # 17447</b>			
Part 1	Particulate matter emissions shall be controlled by dry filters. (6-301, 6-305, 6-310, 6-311)	Y	

## IV. Source Specific Applicable Requirements

**Table IV-I**  
**Source-specific Applicable Requirements**  
**S-56 Coater #1 Roofing Machine**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
Part 6	Check dry filters for visible emissions quarterly (2-6-501)	Y	
Part 7	Keep records of visible emission checks and retain for 5 years and present it to District personnel upon request. (2-6-501)	Y	
Part 8h	Throughput limit and record keeping specification (Cumulative Increase)	Y	

**Table IV-J**  
**Source-specific Applicable Requirements**  
**S-70 Asphalt Blowing Tower**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Regulation 9</b>	<b>Inorganic Gaseous Pollutants</b>		
9-1-301	Limitations of Ground Level Concentrations of Sulfur Dioxide	Y	
9-1-302	General Emission Limitation of Sulfur Dioxide	Y	
<b>BAAQMD Regulation 12, Rule 3</b>	<b>Miscellaneous Standards of Performance- Asphalt Air Blowing</b>		
12-3-301	Standards-Processing of Gases	Y	
12-3-501	Monitoring and Records	Y	
<b>NSPS</b>	<b>Standards of Performance for Asphalt Processing and</b>	Y	

## IV. Source Specific Applicable Requirements

**Table IV-J**  
**Source-specific Applicable Requirements**  
**S-70 Asphalt Blowing Tower**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>Subpart UU Section:</b>	<b>Asphalt Roofing Manufacture(8/6/1982)</b>	Y	
60.471	Definitions	Y	
60.472(b)(1)	Standards for Particulate Matter	Y	
60.473(a)	Continuously monitor and record the temperature of the gas at the inlet of the control device. Accuracy of the monitoring instrument shall be +or- 15 degrees C	Y	
60.473(b)	Meet emission limit in 60.472(a)(1) and/or continuously monitor and record the temperature in the combustion zone and after burner	Y	
60.474(b)	Conduct performance test required in section 60.8	Y	
60.474(c)	Determine compliance with particulate matter for each run using procedures outlined in 60.474 (c) (1) (2) (3) (4) (5)	Y	
60.474(d)	Determine compliance with the standards in section 60.472 (a) (3) by using Method 22	Y	
60.474(e)	Record temperature continuously	Y	
60.474(f)	Repeat performance test if standards procedures are not followed	Y	
<b>BAAQMD Condition # 17420</b>			
Part 1	Particulate emissions controlled by thermal oxidizer (2-1-403)	Y	
Part 2	Check for visible emissions monthly (2-6-501)	Y	
Part 3	Operator shall keep records of visible emission checks, retain records for 5 years and present records to District upon request (2-6-501)	Y	
Part 4	Thermal oxidizer temperature and control (12-3-301)	Y	
Part 5	Temperature monitoring (12-3-301, 2-6-503)	Y	
Part 6	Temperature data recorded shall be maintained for 5 years and made available for District inspection when requested (2-6-501)	Y	
Part 7	SO2 source tests (Basis: 9-1-302)	Y	
Part 8	Throughput limitation of 245,000 tons/year and weekly record	Y	

## IV. Source Specific Applicable Requirements

**Table IV-J**  
**Source-specific Applicable Requirements**  
**S-70 Asphalt Blowing Tower**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
	keeping (Cumulative Increase)		

**Table IV-K**  
**Source-specific Applicable Requirements**  
**S-74 Tank 400**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>	Y	
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Regulation 9</b>	<b>Inorganic Gaseous Pollutants</b>	Y	
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations for sulfur dioxide	Y	
<b>BAAQMD Condition # 17447</b>			
Part 1	Particulate matter emissions shall be controlled by a dry filter. (6-301, 6-305, 6-310, 6-311)	Y	
Part 6	Check dry filter for visible emissions quarterly (6-301)	Y	
Part 7	Keep records of visible emission checks and retain for 5 years and present it to District personnel upon request. (2-6-501)	Y	
Part 8k	Throughput limitation of 8,600,000 gallons/year and weekly record keeping (Cumulative Increase)	Y	

## IV. Source Specific Applicable Requirements

**Table IV-L**  
**Source-specific Applicable Requirements**  
**S-75 Asphalt Coating Tank**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>	Y	
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Regulation 9</b>	<b>Inorganic Gaseous Pollutants</b>	Y	
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations for sulfur dioxide	Y	
<b>BAAQMD Condition # 17447</b>			
Part 1	Particulate matter emissions shall be controlled by a dry filter. (6-301, 6-305, 6-310, 6-311)	Y	
Part 6	Check dry filter for visible emissions quarterly (6-301)	Y	
Part 7	Keep records of visible emission checks and retain for 5 years and present it to District personnel upon request. (2-6-501)	Y	
Part 8i	Throughput limitation of 8,600,000 gallons/year and weekly record keeping (Cumulative Increase)	Y	

**Table IV-M**  
**Source-specific Applicable Requirements**  
**S-79 Asphalt Loading Rack**



#### IV. Source Specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 2</b>	<b>Organic Compounds, Miscellaneous Operations</b>		
8-2-301	Miscellaneous Operations; VOC emission limitation	Y	
8-2-601	Manual of Procedures; 8-2-301 specified limits to be verified	Y	
<b>BAAQMD condition # 17673</b>			
Part 1	Throughput condition (Cumulative Increase)	Y	
Part 2	Record keeping (Cumulative Increase)	Y	

**Table IV-N**  
**Source-specific Applicable Requirements**  
**S-80 LPA Application System**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6,</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Regulation 8, Rule 2</b>	<b>Organic Compounds-Miscellaneous Operations</b>		
8-2-301	Miscellaneous operations	Y	
8-2-601	Determination of compliance	Y	
<b>BAAQMD Condition # 3522</b>			
Part 1	Venturi Scrubber shall be operating whenever LPA system is operating (6-301, 6-305, 6-310, 6-311)	Y	
Part 2	Visible emissions check (6-301)	Y	

#### IV. Source Specific Applicable Requirements

**Table IV-N**  
**Source-specific Applicable Requirements**  
**S-80 LPA Application System**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
Part 3	Records of visible emission checks (6-301)	Y	

## IV. Source Specific Applicable Requirements

**Table IV-O**  
**Source-specific Applicable Requirements**  
**S-81 Horizontal Asphalt Mixer**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emission (12/19/90)</b>		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Condition # 17447</b>			
Part 1	Particulate matter emissions shall be controlled by dry filters (6-301, 6-305, 6-310, 6-311)	Y	
Part 6	Check dry filters for visible emissions quarterly (6-301)	Y	
Part 7	Keep records of visible emission checks and retain for 5 years and present it to District personnel upon request. (2-6-501)	Y	
Part 8j	Throughput limit and record keeping specification (Cumulative Increase)	Y	

**Table IV-P**  
**Source-specific Applicable Requirements**  
**S-90 Solvent Wipe Cleaning Operation**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD</b>	<b>Organic Compounds – General Provisions (6/15/94)</b>		

## IV. Source Specific Applicable Requirements

**Table IV-P**  
**Source-specific Applicable Requirements**  
**S-90 Solvent Wipe Cleaning Operation**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>Regulation 8, Rule 1</b>			
8-1-320	Surface Preparation; Clean-up; Coating, Ink, Paint Removal	Y	
8-1-321	Closed Containers	Y	
<b>BAAQMD Regulation 8, Rule 16</b>	<b>Organic Compounds – Solvent Cleaning Operations (9/16/98)</b>		
8-16-501	Solvent Records		
8-16-501.2	Facility-wide, annual records of makeup solvent use	N	
8-16-501.3	Records of wipe cleaning solvent	N	
8-16-501.5	Record retention	N	
<b>SIP Regulation 8, Rule 16</b>	<b>Organic Compounds – Solvent Cleaning Operations (6/15/94)</b>		
8-16-501	Solvent Records		
8-16-501.2	Facility-wide, quarterly records of makeup solvent use	Y <sup>1</sup>	
<b>BAAQMD condition # 7061</b>		Y	
Part 1	Restricted to use only De-Solv-It of Orange Sol, Inc or CitriKleen XPC or Pensolv L-805 or a chemical equivalent (Toxics Risk Management, Cumulative Increase)	Y	
Part 2	Usage restricted to 1500 gallons during any consecutive 12-month period (Cumulative Increase)	Y	
Part 3	Usage restricted to 5 gallons during any consecutive 24 hour period (Cumulative Increase)	Y	
Part 4	Request the District for a change in permit condition before switching to a new solvent not specified in the condition (Toxics Risk Management, Cumulative Increase)	Y	
Part 5	Record keeping to demonstrate compliance with the above conditions (Cumulative Increase, Regulation 8-16-501)	Y	

## IV. Source Specific Applicable Requirements

<sup>1</sup>This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved the District's revision of the regulation.

**Table IV-Q**  
**Source-specific Applicable Requirements**  
**S-95 50000 Gallon Asphalt Storage Tank**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 1</b>	<b>GENERAL PROVISIONS AND DEFINITIONS</b>		
1-301	Public Nuisance	N	
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Regulation 7</b>	<b>Odorous Substances</b>		
7-302	Limit On Odorous Substances At Or Beyond Property Line	N	
<b>NSPS Subpart UU Sections:</b>	Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture. Applicable to Sources constructed or Modified after 8/6/82	Y	
60.472(c)	Standards for Particulate Matter	Y	
60.473	Monitoring of Operations	Y	
60.474	Test Methods and Procedures	Y	
<b>BAAQMD Condition #11613</b>			
Part 1	Throughput not to exceed 12,750,000 gallons per year (Cumulative Increase)	Y	
Part 2	Exhaust gases shall be abated at all times by A-1 or A-2 HEAF dry filter. A-1 and A-2 shall be properly maintained (BACT)	Y	
Part 3	Only asphalt or those materials described in Regulation 2, Rule 1, Section 123.3 as exempt from permitting requirements may be stored in tank S-95 (2-1-123.3, Cumulative Increase)	Y	

## IV. Source Specific Applicable Requirements

**Table IV-Q**  
**Source-specific Applicable Requirements**  
**S-95 50000 Gallon Asphalt Storage Tank**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
Part 4	Recordkeeping requirements (Cumulative Increase)	Y	
Part 5	Visible emission shall not exceed Ringelmann 0.5 or result in such quantities so as to cause a public nuisance (BACT, 1-301)	Y	
Part 6	Equipment shall not cause off-property odor nuisance (7-302, 1-301)	Y	
Part 7	Quarterly visible emissions checks (6-301)	Y	
Part 8	Records of visible emission checks (2-6-501)	Y	

**Table IV-R**  
**Source-specific Applicable Requirements**  
**S-96 Granule/Sand Storage Silo A**  
**S-97 Granule/Sand Storage Silo B**  
**S-98 granule/Sand Storage Silo C**  
**S-99 Granule/Sand Storage Silo D**  
**S-100 Granule/Sand Storage Silo E**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>	Y	
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Condition # 17213</b>			
Part 1	Throughput limits (Cumulative Increase)	Y	
Part 2	Requirement for control of particulate matter (6-301, 6-305, 6-310, 6-311)	Y	
Part 3	Visible emissions checks (6-301)	Y	

## IV. Source Specific Applicable Requirements

**Table IV-R**  
**Source-specific Applicable Requirements**  
**S-96 Granule/Sand Storage Silo A**  
**S-97 Granule/Sand Storage Silo B**  
**S-98 granule/Sand Storage Silo C**  
**S-99 Granule/Sand Storage Silo D**  
**S-100 Granule/Sand Storage Silo E**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
Part 4	Records of visible emissions checks (2-6-501)	Y	
Part 5	Record keeping for throughputs (Cumulative Increase)	Y	

## **V. SCHEDULE OF COMPLIANCE**

The permit holder shall comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit on a timely basis.

## **VI. PERMIT CONDITIONS**

Any condition that is preceded by an asterisk is not federally enforceable.

### **CONDITION # 3522**

#### **For Source S-80, LPA Applicator System:**

1. The Venturi Scrubber, A-78, shall be in operation whenever the LPA Application System is operating. (Basis: 6-301, 6-305, 6-310, 6-311)
2. The Venturi Scrubber stack, A-78, shall be checked for visible emissions on an annual basis. The visible emission check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the operator shall take corrective action, and check the visible emissions during next loading event. If no visible emissions are detected, the operator shall check for visible emissions every year. (Basis: Regulation 6-301)
3. The operator shall maintain records of visible emission checks, the person performing the check, and all maintenance performed on the Venturi Scrubber. These records shall be retained for five (5) years and shall be made available to district personnel upon request. (Basis: Regulation 6-301)



## **VI. Permit Conditions**

### **CONDITION #7061**

#### **For Source S-90, Wipe Cleaning Operation:**

1. Source S-90, Wipe Cleaning Operation, shall use only Orange-Sol Inc. "De-Solv-It", Penetone Corp. "CitriKleen XPC", Pensolv L-805 or a chemical equivalent to clean cooling rolls associated with Source S-54, Asphalt Coater, and S-56, Line #1 coater roofing machine. (Toxics Risk Management, Cumulative Increase)
2. Net solvent usage at Source S-90 shall not exceed 1500 gallons in any consecutive 12-month period. (Basis: Cumulative Increase)
3. Net solvent usage at Source S-90 shall not exceed 5 gallons in any consecutive 24-hour period. (Basis: Cumulative Increase)
4. If a solvent other than the above solvents or their chemical equivalents is to be used at this source, the permit holder shall first apply to, and receive from, the District a change in permit conditions. (Toxics Risk Management, Cumulative Increase)
5. In order to demonstrate compliance with the above conditions, the following records shall be kept in a District approved logbook. These records shall be kept on site for a period of 5 years from the date on which a record is made, summarized on a monthly basis, and made available for District Inspection upon request:
  - a. The name of the solvent used at this source on a daily basis.
  - b. The quantity of solvent used at this source on a daily basis. (Basis: Cumulative Increase)

## **VI. Permit Conditions**

### **CONDITION # 11613**

#### **For Source: S-95, Asphalt Storage Tank:**

1. The total asphalt throughput for S-95, Asphalt Storage Tank, shall not exceed 12,750,000 gallons per year. (Basis: Cumulative Increase)
2. Exhaust gases from source S-95 shall be routed through either HEAF dry filter A-1 or A-2 during all periods of operation. A-1 and A-2 shall be properly operated and maintained. (Basis: BACT)
3. Only asphalt or those materials described in Regulation 2, Rule 1, Section 123.3 as exempt from permitting requirements may be stored in tank S-95. Sulfur content of asphalt may exceed 0.5% by weight. (Basis: Cumulative Increase)
4. To demonstrate compliance with part 1 above, the owner/operator shall maintain records of the total throughput (tons) of asphalt processed at source S-95 on a quarterly basis. These records shall be kept on site and made available for District inspection for a period of at least five years from the date on which the record was made. (Basis: Cumulative Increase)
5. Visible particulate emissions from asphalt storage tank S-95 and HEAF dry filters A-1 and A-2 shall not exceed Ringelmann 0.5 or result in such quantities so as to cause a public nuisance per Regulation 1-301. (Basis: Regulation 1-301, BACT)
- \*6. The owner/operator of asphalt storage S-95 and HEAF dry filters A-1 and A-2, shall not operate this equipment in a manner which causes an off-property odor nuisance per District Regulations 7-302 and 1-301 (Basis: Regulations 7-302, 1-301)
7. The HEAF dry filters A-1 and A-2 shall be checked for visible emissions on a quarterly basis. The visible emission check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the operator shall take corrective action, and check for visible emissions during the next loading event. If no visible emissions are detected, the operator shall continue to check for visible emissions every quarter. (Basis: Regulation 6-301)
8. The operator shall keep records of all visible emissions checks, the person performing the check, and all maintenance performed on the filter. The records shall be retained for five (5) years and shall be made available to District personnel upon request. (Basis: Regulation 2-6-501)

## **VI. Permit Conditions**

### **CONDITION # 17213**

#### **For Sources S-96, S-97, S-98, S-99, S-100, Granule Storage Tanks:**

1. Granule throughput shall not exceed 75,000 tons per year for all tanks combined. (Basis: Cumulative Increase)
2. Particulate matter emission during loading operations at the silos shall be controlled by the baghouse, A-4. (Basis: 6-301, 6-305, 6-310, 6-311)
3. The baghouse, A-4, shall be checked for visible emissions on an annual basis. The visible emission check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the operator shall take corrective action, and check the visible emissions during next loading event. If no visible emissions are detected, the operator is shall check for visible emissions every year. (Basis: Regulation 6-301)
4. The operator shall maintain records of visible emission checks, the person performing the check, and all maintenance performed on the baghouse, A-4. These records shall be retained for five (5) years and shall be made available to district personnel upon request. (Basis: Regulation 2-6-501)
5. To ensure compliance with part 1 of this condition, throughput records shall be maintained on a daily basis in a District approved log. Records shall be maintained for a period of 5 years and shall be made available to District personnel upon request. (Basis: Cumulative Increase)

### **CONDITION # 17420**

#### **For Source S-70, Asphalt Blowing Tower:**

1. Particulate matter emissions from Source S-70, Asphalt Blowing Tower, shall be controlled by A-70, Thermal Oxidizer. (Basis: 6-301, 6-305, 6-310, 6-311)
2. A-70, the Thermal Oxidizer, shall be checked for visible emissions on a monthly basis. The visible emissions check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the operator shall take corrective action, and check for visible emissions during the next operation. If no visible emissions are detected, the operator shall continue to check for visible emissions every month. (Basis: Regulation 6-301)

## **VI. Permit Conditions**

### **CONDITION # 17420**

#### **For Source S-70, Asphalt Blowing Tower:**

3. The operator shall keep records of all visible emissions checks, the person performing the check, and all maintenance performed on A-70, the Thermal Oxidizer. The records shall be retained for five (5) years and shall be made available to District personnel upon request. (Basis: Regulation 6-301)
4. Thermal Oxidizer, A-70, shall be properly maintained and kept in good operating condition at all times. In no event shall the oxidizer temperature be less than 1202 degrees F. when S-70 is in operation. The temperature shall be automatically controlled at all times during operation of S-70. (Basis: Regulation 12-3-301)
5. To determine compliance with Part #4, the oxidizer shall be equipped with continuous measuring and recording instrumentation consisting of at least 1 thermocouple temperature probe in the oxidizer and at least one recording device, which will continuously record the oxidizer temperature as measured by the probe. The temperature monitoring instrument shall have an accuracy of + or – 18 degrees F. (Basis: Regulations 12-3-301, 2-6-503)
6. The temperature data collected from the temperature recorder shall be maintained in a file which shall be available for District inspection for a period of at least five years following the date on which such data or reports are recorded or made (Basis: Regulation 2-6-501)
7. A source test shall be performed every 5 years to assure compliance of sulfur dioxide limitation of 300 ppm (dry) in the exhaust gases, in accordance with BAAQMD Regulation 9-1-302. (Basis: Regulation 9-1-302)
8. The throughput shall not exceed 245,000 tons per year. Throughput records shall be maintained on a weekly basis in a District approved log. Records shall be maintained for a period of 5 years and shall be made available to District personnel upon request. (Basis: Cumulative Increase)

## **VI. Permit Conditions**

### **CONDITION # 17447**

**For Sources S-14, Coating Surge Tank, S-31; Roofing Backing Sand Applicator; S-39, Filler Machine Bin; S-40, Filler Storage Silo; S-46, S-47, Bulk Storage Systems; S-54, Line #5 Asphalt Coater; S-56, Line #5 Coater Roofing Machine; S-75, Asphalt Coating Tank; and S-81, Horizontal Asphalt Mixer:**

1. Particulate matter emissions during loading operations from sources S-14, S-54, S-56, S-74, S-75, and S-81 shall be controlled by A-1 or A-2, HEAF #1 or HEAF #2, Dry Filters. (Basis: Regulation 6-301, 6-305, 6-310, 6-311)
2. Particulate matter emissions during loading operations from source S-31 shall be controlled by A-4, Baghouse. (Basis: Regulation 6-301, 6-305, 6-310, 6-311)
3. Particulate matter emissions during loading operations from source S-39 shall be controlled by A-6, Baghouse. (Basis: Regulation 6-301, 6-305, 6-310, 6-311)
4. Particulate matter emissions during loading operations from source S-40 shall be controlled by A-7, Baghouse. (Basis: Regulation 6-301, 6-305, 6-310, 6-311)
5. Particulate matter emissions during loading operations from sources S-46 and S-47 shall be controlled by A-8, Baghouse. (Basis: Regulation 6-301, 6-305, 6-310, 6-311)
6. The abatement devices, A-1, A-2, A-4, A-6, A-7, and A-8 shall be checked for visible emissions on a quarterly basis. The visible emission checks shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the operator shall take corrective action, and check for visible emissions during the next loading event. If no visible emissions are detected, the operator shall continue to check for visible emissions every quarter. (Basis: Regulation 6-301)
7. The operator shall keep records of all visible emissions checks, the person performing the check, and all maintenance performed on the baghouse. The records shall be retained for five (5) years and shall be made available to district personnel upon request. (Basis: Regulation 2-6-501)

## VI. Permit Conditions

### CONDITION # 17447

**For Sources S-14, Coating Surge Tank, S-31; Roofing Backing Sand Applicator; S-39, Filler Machine Bin; S-40, Filler Storage Silo; S-46, S-47, Bulk Storage Systems; S-54, Line #5 Asphalt Coater; S-56, Line #5 Coater Roofing Machine; S-75, Asphalt Coating Tank; and S-81, Horizontal Asphalt Mixer:**

8. The total throughput for the sources in the following table shall not exceed the corresponding throughput limit. Throughput records shall be maintained on a weekly basis in District approved logs to verify compliance with the condition. The records shall be maintained for a period of 5 years and made available to District personnel upon request. (Basis: Cumulative Increase)

	Sources	Source Name	Throughput Limit
a.	S-14	Coating surge tank	93,600 tons/year
b.	S-31	Roofing backing sand applicator	21,900 tons/year
c.	S-39	Filler machine bin	50,600 tons/year
d.	S-40	Filler storage silo	50,600 tons/year
e.	S-46	Bulk storage system (filler)	175,200 tons/year
f.	S-47	Bulk storage system (filler)	175,200 tons/year
g.	S-54	Line #5 asphalt coater fiberglass shingles	52,560 tons/year
h.	S-56	Line#1 coater roofing machine	96,360 tons/year
i.	S-75	Asphalt coating tank	8,600,000 gallons/year
j.	S-81	Horizontal asphalt mixer	219,000 tons/year
k.	S-74	Tank 400	245,000 tons/year

### CONDITION # 17454

**For Sources S-20, Blending Tank; S-91, S-92, and S-93, Asphalt Cooling Tanks:**

1. The total combined asphalt throughput for tanks S-20, S-91, S-92 and S-93 shall not exceed 275,000 tons per year. (Basis: Cumulative Increase)
2. Exhaust gases from Sources S-20, S-91, S-92 and S-93 shall be routed through fiber bed filter A-10 during all periods of operation. A-10 shall be properly operated and maintained. (Basis: BACT, Regulation 6-301, 6-305, 6-310, 6-311)
3. Only asphalt or those materials described in Regulation 2, Rule 1, Section 123.3 as exempt from permitting requirements may be stored in tanks S-20, S-91, S-92 and S-93. (Basis: Regulation 2-1-123.3)

## **VI. Permit Conditions**

### **CONDITION # 17454**

#### **For Sources S-20, Blending Tank; S-91, S-92, and S-93, Asphalt Cooling Tanks:**

4. To demonstrate compliance with part 1 above, the Permit Holder shall maintain records of the total combined throughput (tons) of asphalt at Sources S-20, S-91, S-92 and S-93 on a quarterly basis. These records shall be kept on site and made available for District inspection for a period of at least five years from the date on which the record was made. (Basis: Cumulative Increase, 2-6-501)
5. Visible particulate emissions from asphalt storage tanks S-20, S-91, S-92 and S-93, and fiber bed filter A-10, shall not exceed Ringelmann 0.5 or result in such quantities so as to cause a public nuisance. (Basis: BACT)
- \*6. The Permit Holder of asphalt storage tanks S-20, S-91, S-92 and S-93, and fiber bed filter A-10, shall not operate this equipment in a manner which causes an off-property odor nuisance problem. (Basis: Regulations 7-302 and 1-301)
7. Particulate matter emissions during loading operations from the sources shall be controlled by a dry filter. (Basis: Regulation 6-301, 6-305, 6-310, 6-311)
8. The dry filter shall be checked for visible emissions on a quarterly basis. The visible emission check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the operator shall take corrective action, and check for visible emissions during the next loading event. If no visible emissions are detected, the operator shall continue to check for visible emissions every quarter. (Basis: Regulation 6-301)
9. The operator shall keep records of all visible emissions checks, the person performing the check, and all maintenance performed on the dry filter. The records shall be retained for five (5) years and shall be made available to District personnel upon request. (Basis: Regulation 2-6-501)
10. Parts 7, 8 and 9 apply only if the sources are in operation. (Basis: Regulation 2-1-403)

### **CONDITION # 17672**

#### **For Source S-45, Steam Boiler:**

1. Fuel usage at S-45, Steam Boiler, shall not exceed firing 128 million standard cubic feet of natural gas per year. (Basis: Cumulative Increase)

## **VI. Permit Conditions**

### **CONDITION # 17672**

#### **For Source S-45, Steam Boiler:**

2. Natural gas consumption records shall be maintained in a District approved log on a weekly basis. Records shall be maintained for a period of 5 years and shall be made available to District personnel upon request. (Basis: Cumulative Increase)

### **CONDITION # 17673**

#### **For Source S-79, Asphalt Loading Rack:**

1. The asphalt throughput at S-79, Asphalt Loading Rack, shall not exceed 219,000 tons per year. (Basis: Cumulative Increase)
2. Throughput records shall be maintained on a weekly basis in a District approved log. Records shall be maintained for a period of 5 years and shall be made available to District personnel upon request. (Basis: Cumulative Increase)



## VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency column indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, using the following codes: annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

**Table VII - A**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-14 Coating Surge Tank**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	BAAQMD Condition # 17447, part 6	P/Q	Visible emissions check
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition # 17447, part 6	P/Q	Visible emissions check
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 17447, part 6	P/Q	Visible emissions check
Usage	BAAQMD Condition #17447, part 8a	Y		93,600 tons/yr	BAAQMD Condition #17447, part 8	P/W	records

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - B**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-20 100,000 Gallon Asphalt Blending Tank**  
**S-91, S-92, S-93, Asphalt Cooling Tanks**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQM D 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	BAAQMD Condition #17454, part 8	P/Q	Visual emissions check
	BAAQM D Condition #17454, part # 5	Y		Visible particulate emissions from asphalt tanks shall not exceed 0.5 Ringelmann	BAAQMD Condition #17454, Part # 8	P/Q	Visual emissions check
	NSPS Sub-part UU 40 CFR 60.473(c)	Y		Limits opacity of exhaust gases from storage tanks to 0%, except for 15 minutes in any 24 hour period for transfer line blowing	40 CFR, 60.473 (c) and BAAQMD Condition # 17454, part 8 and part 9	P/Q	Visual emissions check
FP	BAAQM D 6-310	Y		0.15 grains/dscf @ 6% O <sub>2</sub>	BAAQMD Condition #17454, part 8	P/Q	Visual emissions check
	BAAQM D 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition #17454, part 8	P/Q	Visual emissions check
Usage	BAAQM D Condition # 17454, part 1	Y		Combined asphalt throughput not to exceed 275,000 tons per year	BAAQMD Condition #17454, part 4	P/Q	Records

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - C**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-31 Roofing Backing Sand Applicator**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	BAAQMD Condition #17447 part 6	P/Q	Visual emissions check
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #17447 part 6	P/Q	Visual emissions check
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition #17447 part 6	P/Q	Visual emissions check
Usage	BAAQMD Condition #17447, part 8b	Y		21,900 tons/yr	BAAQMD Condition #17447, part 8	P/W	records

**Table VII D**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-39 Filler Machine Bin**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	BAAQMD Condition #17447 part 6	P/Q	Visual emissions check
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #17447 part 6	P/Q	Visual emissions check

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII D**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-39 Filler Machine Bin**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition #17447 part 6	P/Q	Visual emissions check
Usage	BAAQMD Condition #17447, part 8c	Y		50,600 tons/yr	BAAQMD Condition #17447, part 8	P/W	records

**Table VII E**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-40 Filler Storage Silo**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	BAAQMD Condition #17447 part 6	P/Q	Visual emissions check
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #17447 part 6	P/Q	Visual emissions check
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition #17447 part 6	P/Q	Visual emissions check
Usage	BAAQMD Condition #17447, part 8d	Y		50,600 tons/yr	BAAQMD Condition #17447, part 8	P/W	records

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – F**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-45 BOILER #4**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO <sub>2</sub>	BAAQMD 9-1-301	N		GLC <sup>1</sup> of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		300 ppm (dry)		N	
NO <sub>X</sub>	BAAQMD 9-7-301.1	Y		30 ppmv @ 3% oxygen		N	
CO	BAAQMD 9-7-301.2	Y		400 ppmv @ 3% oxygen		N	
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour		N	
FP	BAAQMD 6-310.3	Y		0.15 grains/dscf @ 6% O <sub>2</sub>		N	
Heat input	BAAQMD Condition #17672, part 1	Y		128 million scf natural gas per year	BAAQMD Condition #17672, part 1	P/W	records

**Table VII - G**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-46 Bulk Storage System**  
**S-47 Bulk Storage System**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	BAAQMD Condition #17447 part 6	P/Q	Visual emissions check

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - G**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-46 Bulk Storage System**  
**S-47 Bulk Storage System**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #17447 part 6	P/Q	Visual emissions check
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition #17447 part 6	P/Q	Visual emissions check
Usage	BAAQMD Condition #17447, part 8e and f	Y		175,200 tons/year for each source	BAAQMD Condition #17447, part 8	P/W	records

**Table VII - H**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-54 Asphalt Coater**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	BAAQMD Condition #17447, part 6	P/Q	Visible emissions check
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #17447, part 6	P/Q	Visible emissions check
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition #17447, part 6	P/Q	Visible emissions check

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - H**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-54 Asphalt Coater**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Usage	BAAQMD Condition #17447, part 8g	Y		52,560 tons/yr	BAAQMD Condition #17447, part 8	P/W	records

**Table VII - I**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-56 Coater #1 Roofing Machine**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	BAAQMD Condition # 17447, part 6	P/Q	Visible emissions check
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition # 17447, part 6	P/Q	Visible emissions check
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 17447, part 6	P/Q	Visible emissions check
Usage	BAAQMD Condition #17447, part 8h	Y		96,360 tons/yr	BAAQMD Condition #17447, part 8	P/W	records

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – J**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-70 Asphalt Blowing Tower**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	BAAQMD Condition #17420 part 2	P/M	Monthly visual emissions
FP	BAAQMD 6-310	Y		0.15 grains/dscf	BAAQMD Condition #17420 part 5	C	Temperature monitoring
	BAAQMD 6-311			$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition #17420 part 5	C	Temperature monitoring
PM	40 CFR 60.472 (b)(1)	Y		Particulate emissions shall not exceed 0.67 kg/per megagram	12-3-501	C	Temperature monitoring
SO <sub>2</sub>	BAAQMD 9-1-301	N		GLC <sup>1</sup> of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		300 ppm (dry) general emission limitation of Sulfur Dioxide	BAAQMD Condition #17420, part 7	P/Every 5 years	Source test
Temperature Limit	BAAQMD 12-3-301	Y		> 1202 degrees F	12-3-501	C	Temperature monitoring
Usage	BAAQMD Condition #17420, part 8	Y		245,000 tons per year	BAAQMD Condition #17420, part 8	P/W	Records



## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII-K**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-74 TANK 400**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	BAAQMD Condition # 17447, part 6	P/Q	Visual emissions check
FP	BAAQMD 6-310	Y		0.15 grains/dscf	BAAQMD Condition # 17447, part 6	P/Q	Visual emissions check
	BAAQMD 6-311			$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 17447, part 6	P/Q	Visual emissions check
SO <sub>2</sub>	BAAQMD 9-1-301	N		GLC <sup>1</sup> of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQMD 99-1-302	Y		300 ppm (dry)		N	
Usage	BAAQMD Condition #17447, part 8k	Y		245,000 tons/yr	BAAQMD Condition #17447, part 8	P/W	records

**Table VII-L**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-75 ASPHALT COATING TANK**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	BAAQMD Condition # 17447, part 6	P/Q	Visual emissions check

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII-L**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-75 ASPHALT COATING TANK**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-310	Y		0.15 grains/dscf	BAAQMD Condition # 17447, part 6	P/Q	Visual emissions check
	BAAQMD 6-311			$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 17447, part 6	P/Q	Visual emissions check
SO2	BAAQMD 9-1-301	N		GLC <sup>1</sup> of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQMD 99-1-302	Y		300 ppm (dry)		N	
Usage	BAAQMD Condition #17447, part 8i	Y		8,600,000 gallons/yr	BAAQMD Condition #17447, part 8	P/W	records

**Table VII - M**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-79 Asphalt Loading Rack**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-2-301	Y		300 ppm, or 15 lbs/day		N	
	BAAQMD Condition #17673, part 1	Y		Asphalt throughput shall not exceed 219,000 tons per year	BAAQMD Condition #17673, part 2	P/W	records

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – N**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-80 LPA**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	BAAQMD Condition # 3522, part 2	P/Q	Visual emissions check
FP	BAAQMD 6-310	Y		0.15 grains/dscf	BAAQMD Condition # 3522, part 2	P/Q	Visual emissions check
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 3522, part 2	P/Q	Visual emissions check
VOC	BAAQMD 8-2-301	Y		15 lbs/day for compounds containing more than 300 ppm total carbon on dry basis		N	

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - O**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-81 Horizontal Asphalt Mixer**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	BAAQMD Condition # 17447, part 6	P/Q	Visible emissions check
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition # 17447, part 6	P/Q	Visible emissions check
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 17447, part 6	P/Q	Visible emissions check
Usage	BAAQMD Condition #17447, part 8j	Y		219,000 tons/yr	BAAQMD Condition #17447, part 8	P/W	records

**Table VII – P**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-90 Solvent Wipe Cleaning Operation**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition #7061, part 2	Y		< 1500 gal solvent per any consecutive 12-month period	BAAQMD Condition #7061, part 5	P/D	records

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – P**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-90 Solvent Wipe Cleaning Operation**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition #7061, part 3	Y		≤ 5 gal solvent per any consecutive 24-hour period	BAAQMD Condition #7061, part 5	P/D	records

**Table VII – Q**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-95 50000 Gallon Asphalt Gallon Storage Tank**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	BAAQMD Condition # 11613, parts 5, 6, and 7	P/Q	Visual emissions check
	NSPS Sub-part UU 40 CFR 60.473(c)	Y		Limits opacity of exhaust gases from storage tanks to 0%, except for 15 minutes in any 24 hour period for transfer line blowing	40 CFR, 60.473 (c) and BAAQMD Condition # 11613, part 5, 6, and part 7	P/Q	Visual emissions check
FP	BAAQMD 6-310	Y		0.15grains/dscf	BAAQMD Condition # 11613, part 5, 6, 7	P/Q	Visual emissions check
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 11613, part 5, 6, 7	P/Q	Visual emissions check

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – Q**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-95 50000 Gallon Asphalt Gallon Storage Tank**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Usage	BAAQMD Condition # 11613, part 1	Y		Asphalt 12,750,000 gallons per year	BAAQMD Condition # 11613, part 4	P/Q	Quarterly record keeping

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – R**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-96 Granule/Sand Storage Silo A**  
**S-97 Granule/Sand Storage Silo B**  
**S-98 Granule/Sand Storage Silo C**  
**S-99 Granule/Sand Storage Silo D**  
**S-100 Granule/Sand Storage Silo E**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	Condition 17213 part #3	P/A	Visible emissions check
FP	BAAQMD 6-310	Y		0.15grains/dscf	Condition 17213 part #3	P/A	Visible emissions check
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	Condition 17213 part #3	P/A	Visible emissions check
Usage	Condition 17213 part #1	Y		75,000 tons per year for all tanks combined	Condition 17213 part #5	P/D	records

## VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

**Table VIII**  
**Test Methods**

<b>Applicable Requirement</b>	<b>Description of Requirement</b>	<b>Acceptable Test Methods</b>
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 8-2-301	Miscellaneous Operations	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling, and Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD 9-7-301.1	Performance Standard, NO <sub>x</sub> , Gaseous Fuel	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-301.2	Performance Standard, CO, Gaseous Fuel	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
40 CFR 60.472(b)(1)	Standards for Particulate Matter	EPA method 5A, Determination of Particulate Emissions from the Asphalt Processing and Asphalt Roofing Industry
40 CFR 60.472(c)	Standards for Particulate Matter	EPA method 5A, Determination of Particulate Emissions from the Asphalt Processing and Asphalt Roofing Industry



**IX. PERMIT SHIELD**

None.

## **X. GLOSSARY**

### **ACT**

Federal Clean Air Act

### **BAAQMD**

Bay Area Air Quality Management District

### **BACT**

Best Available Control Technology

### **CAA**

The federal Clean Air Act

### **CAAQS**

California Ambient Air Quality Standards

### **CEQA**

California Environmental Quality Act

### **CFR**

The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

### **CO**

Carbon Monoxide

### **Cumulative Increase**

The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

### **District**

The Bay Area Air Quality Management District

### **EPA**

The federal Environmental Protection Agency.

### **Excluded**

Not subject to any District regulations.

### **Federally Enforceable, FE**

All limitations and conditions which are enforceable by the Administrator of the EPA including

## **X. Glossary**

those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60, (NSPS), Part 61, (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

### **FP**

Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

### **HAP**

Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by both 40 CFR Part 63, and District Regulation 2, Rule 5.

### **Major Facility**

A facility with potential emissions of: (1) at least 100 tons per year of regulated air pollutants, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants as determined by the EPA administrator.

### **MFR**

Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Federal Clean Air Act and implemented by District Regulation 2, Rule 6.

### **MOP**

The District's Manual of Procedures.

### **NAAQS**

National Ambient Air Quality Standards

### **NESHAPS**

National Emission Standards for Hazardous Air Pollutants. See in 40 CFR Parts 61 and 63

### **NMHC**

Non-methane Hydrocarbons

### **NO<sub>x</sub>**

Oxides of nitrogen.

### **NSPS**

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Federal Clean Air Act, and implemented by 40 CFR Part 60 and District Regulation 10.

## **X. Glossary**

### **NSR**

New Source Review. A federal program for pre-construction review and permitting of new and modified sources of pollutants for which criteria have been established in accordance with Section 108 of the Federal Clean Air Act. Mandated by Title I of the Federal Clean Air Act and implemented by 40 CFR Parts 51 and 52 and District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

### **Offset Requirement**

A New Source Review requirement to provide federally enforceable emission offsets for the emissions from a new or modified source. Applies to emissions of POC, NOx, PM10, and SO2.

### **Phase II Acid Rain Facility**

A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 40 CFR 72 from Titles IV and V of the Clean Air Act.

### **POC**

Precursor Organic Compounds

### **PM**

Particulate Matter

### **PM10**

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

### **PSD**

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of those air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

### **SIP**

State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

### **SO2**

Sulfur dioxide

### **Title V**

Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

## **X. Glossary**

### **TSP**

Total Suspended Particulate

### **VOC**

Volatile Organic Compounds

#### **Units of Measure:**

bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m <sup>2</sup>	=	square meter
min	=	minute
mm	=	million
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

## **XI. APPLICABLE STATE IMPLEMENTATION PLAN**

See Attachments